



Technocrats Institute of Technology - Pharmacy, Bhopal

JAN 2024

Pharma *Voice*

Biannual Newsletter of Department of Pharmacy

VISION OF THE INSTITUTE

To grow as an institute of Excellence for Pharmacy Education and Research and to serve the humanity by sowing the seeds of intellectual, cultural, ethical, and humane sensitivities in the students to develop a scientific temper, and to promote professional and technological expertise.

MISSION OF THE INSTITUTION

- M 1: To inculcate ethical, moral, cultural and professional values in students.
- M 2: To provide state of art infrastructure facilities to the staff and students so as to enable them to learn latest technological advancements.
- M 3: State of art learning of professionalism by the faculty and students.
- M 4: To produce well learned, devoted and proficient pharmacists.
- M 5: To make the students competent to meet the professional challenges of future.
- M 6: To develop entrepreneurship qualities and abilities in the students.

About Us

The Technocrats Institute of Technology-Pharmacy is a premier institute of the state imparting quality education in the field of Pharmacy for Bachelor and Master degree. The institute was established in 2002 with the sole purpose to produce skilled and trained pharmacists'.

The institute headed by a dedicated team of renowned person in the field of Pharmacy, who have zeal to provide excellence in education and to create the talent for future. Established in Year 2002.

By the vision of Chandravadni Mahila Siksha Samiti. The Department had been started with an intake of 60 seats in B.Pharm which has been increased to 100 from the session 2010-2011.

The Post Graduate programme was introduced by the institute from 2007-2008 in Pharmaceutics and later M.Pharm (Pharmacognosy), M.Pharm (Pharmaceutical Chemistry) and M.Pharm (Pharmacology) were introduced.

The Diploma programme was introduced by the institute from 2019-2020 with an intake of 60 seat.



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Program Educational Objectives (PEOs) for B.Pharm Course

PEO 1: To inculcate quality pharmacy education and training through innovative Teaching Learning Process.

PEO 2: To promote professionalism, team spirit, social and ethical commitment with effective interpersonal communication skills to boost leadership role assisting improvement in healthcare sector.

PEO 3: To enhance Industry-Institute-Interaction for industry oriented education and research, which will overcome healthcare problems of the society.

PEO 4: To adapt and implement best practices in the profession by enrichment of knowledge and skills in research and critical thinking.

PEO 5: To generate potential knowledge pools with interpersonal and collaborative skills to identify, assess and formulate problems and execute the solution in closely related pharmaceutical industries and to nurture striving desire in students for higher education and career growth.

Director's Message:

I am very proud to share that our College Technocrats Institute of Technology - Pharmacy under Technocrats TIT Group of Institution's one of the most eminent Higher Educational Institution today and is renowned for standards of its Faculties, Students and Alumni. It is constantly pushing the frontiers of knowledge and ensures the futuristic approach that keeps

pace with the changing trends of the professional world. It is a matter of pride and privilege for me to see the dynamic growth of the institute. Academic success has always been cherished tenfold when coupled with achievements in the various other non-academic arenas.



We provide state of the art infrastructure and dedicated, devoted and committed faculty. Our vision is to impart world class quality education to the students in pharmaceutical sciences in our campus.

We have an enviable and eminent global network of faculty members and we continue to ensure that our network becomes bigger and better. This not only gives us the edge to offer Under Graduate courses but also helps us to run the Post Graduate programs for the students to be Job ready. The research out-put by faculty and students is also encouraging.

- *Dr. B.K. Dubey*
Director

Editor's Message

We the editorial committee have a great privilege on releasing the Newsletter of Technocrats Institute of Technology Pharmacy, Bhopal. As we all know a newsletter mirrors a college- its vision and mission. It also highlights events, activities and academic progress and activities. We extend our sincere thanks to our Beloved Director generous support

and also grants the permission to release the newsletter. This Newsletter encourages many more including students to use it as a platform to express their creativity.



- *Ms. Najmus Sehar*
Assistant Professor

HOD Message

I am delighted to know that college is bringing Newsletter with information on academics and encompassing the events of professional activities, research initiatives and pharma updates. I am sure that Newsletter will give an ample opportunity to the students and faculty to bring their talents and contribute significantly to the profession. I take this opportunity to greet all of you and wish you success in all your endeavours.



- *Dr. Deepak Basedia*
HOD



Congratulation & welcome to teaching Faculty in our Institute.

It is with great pleasure that we extend a warm welcome to **Mr. Shubham Mishra**, our newest addition to the esteemed Pharmacy here at Technocrats Institute of Technology-Pharmacy. He has joined as Assistant Professor in Dept of Pharmaceutics.



It is with great pleasure that we extend a warm welcome to **Dr. Jagdish Chandra**, our newest addition to the esteemed Pharmacy here at Technocrats Institute of Technology-Pharmacy. He has joined as Professor in Dept of Pharmaceutical Chemistry.



It is with immense pleasure that we introduce **Dr. Prabhut Kumar Jain** Professor as the newest member of our distinguished Pharmacy Faculty here at Technocrats Institute of Technology-Pharmacy. He has joined as Professor in Dept of Pharmaceutical Analysis.



CONGRATULATION GPAT QUALIFIER

GPAT AIR-1087
NIPER AIR-1201

Heariest congratulations on your outstanding achievement in qualifying the Graduate Pharmacy Aptitude Test (GPAT)! This accomplishment is a testament to your hard work, dedication, and exceptional aptitude in the field of pharmacy.



PRATIK PATIL

CULTURAL

Our college volleyball team soared to victory, clinching the coveted first prize in a thrilling tournament that showcased their talent, teamwork, and dedication.



Our Institute has organised Sundarkand on the occasion of Shri Ram Lala in Ayodhya Ram Mandir is a manifestation of the enduring devotion and faith of millions towards Lord Ram, reaffirming his eternal presence in the hearts of his devotees.



The blood donation camp was Organized by the college's student body and local healthcare professionals, the event provided a vital lifeline for those in need of blood transfusions.



Our Chairperson ms'am and management-led plantation drive was a remarkable demonstration of corporate responsibility and environmental stewardship.



CULTURAL

The New Year's celebration was elevated to new heights with an electrifying fashion show that captivated audiences and set the stage for a year of style and glamour.



"Embracing Achievement: Reflections on Convocation Day"

The convocation ceremony was a culmination of years of hard work, dedication, and countless late nights spent poring over textbooks and lecture notes. It was a day etched with anticipation, excitement, and a touch of bittersweet nostalgia as we gathered to celebrate the achievements of our academic journey.



Our Institute has organised Annual Day Celebration. The Annual Function was a spectacular showcase of talent, creativity, and unity, bringing together students, faculty, and staff for a memorable celebration of achievements and cultural diversity.



Students' Achievements

Group Toppers

1st Year



Devesh Ku Upadhaya
9.2 CGPA



Shanvi Jain
8.9 CGPA



Shubham Kushwaha
8.7 CGPA

2nd Year



Modassir Nawaz
8.39 CGPA



Manu Pawar
8.28 CGPA



Vishesh Tiwari
8.01 CGPA

3rd Year



Namrata Shende
8.89 CGPA



Anuska Dwivedi
8.8 CGPA



Yashwant Kumar
8.3 CGPA

4th Year



Shristi Soni
8.69 CGPA



Piyush Raj
8.54 CGPA



Kumar Gaurav
8.0 CGPA



PATENT

1. 2023-2024 **Ms. Neelmani Chauhan** 202311005200 QSAR modelling to forecast the health effects of Nanocrystalline metal oxides from a toxicological perspective.
2. 2023-2024 **Ms. Neelmani Chauhan** 202341018341 Green Synthesis of Nanometals Using Plant Extracts.

PAPERS PUBLICATIONS

1. **Dr. B.K. Dubey** Synthesis, Characterization And Biological Activity Of 1, 2, 3- Triazine Derivatives *Aegaeum Journal* July, 2023.
2. **Dr. B.K. Dubey** Topical Delivery of Capsaicin through Microsphere Loaded Gel *International Journal of Pharmaceutical Research* 2023.
3. **Dr. B.K. Dubey** Formulation and Evaluation of Silver Nanoparticles for Effective Treatment of Topical Fungal Disease *The Pharmaceutical and Chemical Journal* 2023.
4. **Dr. B.K. Dubey** Phytochemical screening & antifungal activity of Stem of *Lantana camara*. *World journal of pharmacy and pharmaceutical sciences* Jan, 2024.
5. **Dr. B.K. Dubey** Evaluation of CNS stimulation of *Asparagus racemosus* extract. *International Journal of Pharmaceutics and Drug Research* Nov, 2023.
6. **Dr. B.K. Dubey** Formulation of SDS Aided and Ethosomal Fluconazole Topical Gel for Improved Antifungal Effect. *The Pharmaceutical and Chemical Journal* 2023.
7. **Dr. B.K. Dubey** Evaluation of anti-inflammatory activity of Hydroalcoholic extract of *Brassica oleracea*. *Journal of the Maharaja Sayajirao University of Baroda* 2023.
8. **Neelmani Chauhan** In silico Synthesis and Biological Evaluation of some Novel Quinoline Derivatives. *Journal of Population Therapeutics and Clinical Pharmacology* Aug, 2023
9. **Neelmani Chauhan** Antidiabetic Potential of Flavanoid Included Diabetic Rats. *World Journal of Pharmaceutical Research International* Sept. 2023.

10. **Neelmani Chauhan** Evaluation of Anti-Arthritic Activity of Ethanolic Extract of *Aconitum heterophyllum* Roots: *Journal of the Maharaja Sayajirao University of Baroda*. 2023.
11. **Neelmani Chauhan** Isolation and Evaluation of leaves of *Sebania* as a potential anti-TB agent. *European chemical bulletin* Volume 12 Issue 04 international 2023.
12. **Najmus Sehar** To Develop simple, Accurate and precise Method for Analysis of Drug in the Blood Plasma and Validate them for Trazodone Hydrochloride. *International Journal of Drug Discovery and Herbal Research (IJDDHR)* April 2024.

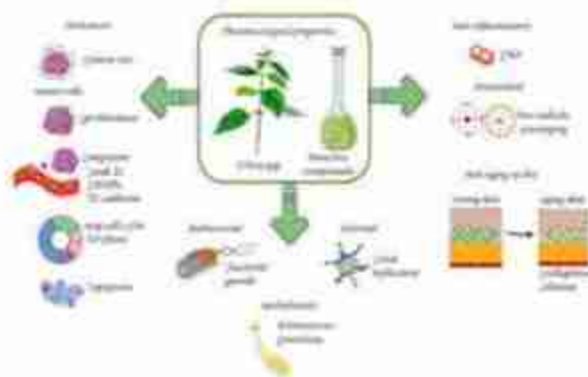
RESEARCH PAPERS

Embarking on a research journey as a pharmacy student requires not only academic acumen but also a passion for discovery and a willingness to push the boundaries of knowledge. Your enthusiasm and perseverance in pursuing meaningful research endeavors reflect a deep-seated commitment to making a positive impact in the field.

Title: Exploring the Therapeutic Potential of *Urtica dioica* L. in Traditional Medicine (Jan 2024)

Traditional plants for medicinal purposes have been a part of medical systems within many countries of the world through centuries. *Urtica dioica* L., an herb once legendary for its health-benefiting properties, has been in use in various traditional medicine practices in different cultures around the world.

Urtica dioica L. qualifies as an acceptable medicinal resource of the traditional medical system, since it has a number of pharmacological properties with clinical offspring.



UZAIR AHMED
B.PHARM SEM-IV